

***Congressional Record – Extension of Remarks
Earmark Declaration
Honorable C.W. Bill Young
Of Florida
In The House of Representatives***

Account: Department of Defense, Operations Navy Other Procurement

Legal Name of Requesting Entity: Mikros Systems

Address of Requesting Entity: 7887 Bryan Dairy Road, Suite 220, Largo, Florida 33777.

Description of Request: Provides \$1,000,000 for Department of Defense to conduct a competition for the **Adaptive Diagnostic Electronic Portable Test Set (ADEPT)**. The Adaptive Diagnostic Electronic Portable Test Set (ADEPT®) program is an intelligent, automated, programmable electronic test tool designed to aid shipboard technical personnel in the maintenance, alignment, calibration, and error diagnosis of radar and other complex electronic systems.

Account: United States Army, RDT&E

Legal Name of Requesting Entity: Enser Corporation

Address of Requesting Entity: 5430 70th Avenue North, Pinellas Park, FL 33781

Description of Request: Provides \$3,000,000 in funding for **Advanced Battery Technology (ABT)** in the Fiscal Year 2010 Appropriations Bill. This program is intended to establish a United States owned thermal battery capability to support advanced weapon systems. There are only two companies in the world that can produce these products. Enser Corporation is the only domestic source. Advancement in thermal battery technology is required for next generation weapons systems for strategic defense and advanced guided munitions, smart bombs and missiles.

Account: United States Army, RDT&E

Legal Name of Requesting Entity: Eclipse Energy Systems Inc.

Address of Requesting Entity: 2345 Anvil Street North, St. Petersburg, FL 33710

Description of Request: Provides \$3,000,000 for the **Advanced Conductivity Program (ACP)**. The United States Army has recognized the need for the manufacture of advanced nanotechnology film materials. These films reduce solar loading of vehicles and are transparent; electrically and thermally conductive and flexible; thereby enhancing the transparent and armor capability of avionic window systems. This allows the soldier increased situational awareness, survivability and effectiveness on the battlefield.

Account: United States Air Force, RDT&E.

Legal Name of Requesting Entity: Alaka'i Consulting & Engineering, Inc.

Address of Requesting Entity: 7887 Bryan Dairy Rd, Suite 220, Largo FL 33777.

Description of Request: \$2,000,000 was requested for the United States Army to conduct a competition to provide for the **Advanced Detection of Explosives (ADE)**. ADE will improve current counter-IED technology and detect improvised explosives devices

(IEDs) at safe standoff distance thereby increasing survivability of warriors on the battlefield.

Account: United States Air Force, Aerospace Sensors.

Legal Name of Requesting Entity: Custom Manufacturing & Engineering, Inc. (CME)

Address of Requesting Entity: 2904 44th Avenue North, St. Petersburg FL 33714.

Description of Request: \$3,000,000 was requested for the United States Air Force to conduct a competition to provide for the **Advanced Electronic Components for Sensor Arrays** which will provide the Air Force with detailed designs and integration of advanced, lower cost electronic sensor components. These components will be used in large-scale phased array antenna architectures and other passive electromagnetic and EO/IR sensor arrays. These modular components for DC powered devices and critical power components effectively militarized will also support other highly integrated sensor arrays across the military services – air, space, ship, and shore assets.

Account: United States Navy, Aircraft Procurement.

Legal Name of Requesting Entity: Alliant Techsystems (ATK), Inc.

Address of Requesting Entity: 13133 34th Street North, Clearwater FL 33762.

Description of Request: \$6,000,000 will be provided for the United States Navy for advancements in the **AN/AAR-47B(V)2 Missile Warning System**. The AN/AAR-47B(V)2 Missile Warning System is an extremely effective, low cost, missile warning system that provides significant timely warning of missile and laser threats to U.S. aircraft. This program will provide upgrades for new requirements based on emerging threats in the Global War on Terrorism, and it will address long-term performance improvements for emerging threats. This system is currently fielded in a wide variety of fixed wing and rotary wing aircraft currently being used in Iraq and Afghanistan. The lessons learned from years of combat operations and subsequent upgrades to this system which would enhance the ability of the aircraft to avoid being shot down.

Account: United States Navy, ONR RDT&E.

Legal Name of Requesting Entity: University of South Florida.

Address of Requesting Entity: 4202 East Fowler Avenue, Tampa FL 33620.

Description of Request: Provides \$3,000,000 for the continuation of the **Autonomous Marine Sensors and Networks for Rapid Littoral Assessment**. This program continues development of advanced underwater sensing systems and associated networks that provide rapid assessment of underwater threats along the shoreline, providing greater security to bases and ports both domestically and abroad.

Account: Air Force RDT&E.

Legal Name of Requesting Entity: Honeywell.

Address of Requesting Entity: 13350 U.S. Highway 19 North, Clearwater FL 33764.

Description of Request: \$6,000,000 for the United States Air Force to conduct a competition to provide for the **Ballistic Missile Technology**. This project will help develop and mature the current Minuteman III program, the Navy's Trident D-5 Life Extension and Prompt Global Strike mission.

Account: United States Air Force, RDT&E.

Legal Name of Requesting Entity: Draper Labs.

Address of Requesting Entity: 9900 16th St N, PO Box 22369, St Petersburg, FL 33742-2369.

Description of Request: \$2,000,000 for the United States Air Force to conduct a competition for the development of the **BATMAV Program Miniature Digital Data Link (DDL)**. The U.S. Air Force is developing a small one-man packable and one-man operable Battlefield Air Targeting Micro Air Vehicle (BATMAV) for reconnaissance, surveillance, target acquisition and battle damage assessment. A MCM micro Digital Data Link (DDL) will be developed with an agile frequency capability (providing multiple frequencies for AFSOC UAV operations) controlled via a USB computer interface and encryption capabilities to protect command and control and sensor communications.

Account: United States Navy/Marine Corps, RDT&E.

Legal Name of Requesting Entity: SAIC.

Address of Requesting Entity: Central Avenue, Suite 1370, St. Petersburg FL 33701.

Description of Request: \$3,000,000 for the United States Navy for the continuation of development for **Battlefield Sensor Netting (BSN)**. BSN will provide the warfighter with unparalleled access to mission critical, real-time sensor data. Although tremendous progress has been made in the advancement of sensors, there has not been a corresponding advancement in data link network technologies that can effectively disseminate, display and exploit the tremendous amounts of data generated by modern sensor systems. The Battlefield Sensor Netting program bridges the sensor to shooter gap. It would provide a high bandwidth data network that combines the advantages of low cost, highly capable commercial wireless technologies with the extended range, jamming resistance and security provided by phased array antennas, military encryption systems and network software.

Account: United States Department of Defense, Defense Wide, RDT&E / DW.

Legal Name of Requesting Entity: Constellation Technology Corporation

Address of Requesting Entity: Young-Rainey STAR Center, 7887 Bryan Dairy Road, Suite 100, Largo, Florida 33777-1452

Description of Request: \$5,000,000 for the Department of Defense to conduct a competition for the development of a **Advanced Development of CBRN Detection Payload for Unmanned Rotary Wing Aircraft**. The New rotary wing unmanned aircraft offers many key benefits for CBRN detection in that they are capable of staying near a potential source (hovering) for extended periods. This effort is designed to take the lessons learned from fixed wing aircraft and develop a CBRN detection payload for rotary wing aircraft. Rotary wing aircraft offer a great potential improvement in the ability to detect CBRN from the air. The Rotary Wing UAV platforms are expected to be a more proficient means in addressing payload considerations associated with detector technology in the detection of Weapons of Mass Destruction (WMD).

Account: United States Department of Defense, Defense Wide, RDT&E / DW.

Legal Name of Requesting Entity: SRI International.

Address of Requesting Entity: 140 7th Avenue South, St. Petersburg FL 33701.

Description of Request: \$4,000,000 for the Department of Defense to provide for the continuation of development for **Comprehensive Maritime Domain Awareness** the current program is conducted in conjunction with the University of South Florida. This funding would continue an ongoing successful program to detect, deter or prevent terrorist attacks against our ports as well as support a broad group of local and regional law enforcement agencies, national and defense assets tasked with protecting ports, waterways, and the general maritime commerce. The program is developing a comprehensive, networked, waterside and landside port and maritime domain awareness system. The initiative applies the latest available technology and develops new capabilities to fill deficiencies in existing systems. Technology used to support the effort takes advantage of the latest advances in micro-systems and nano-materials for sensors and communications.

Account: United States Navy, RDT&E.

Legal Name of Requesting Entity: Raytheon Company

Address of Requesting Entity: 7401 22nd Avenue North, Building D, St. Petersburg, Florida 33710

Description of Request: \$6,000,000 for the United States Navy to conduct a competition to provide for improvements to the current **Cooperative Engagement Capability (CEC)** program. CEC is the premier anti-air warfare sensor networking system for the United States Navy. Additional research and development funding will support critical anti-tamper upgrades to safeguard CEC technology and modify the CEC algorithms to support fleet defense against emerging threats. The anti-tamper upgrades will allow CEC technology to be used by our closest allies (the U.K. and Australia; also possibly Canada), thereby fostering a interoperability between our navies.

Account: United States Department of Defense, Defense Wide, RDT&E Defense-Wide, Chemical and Biological Defense Program.

Legal Name of Requesting Entity: University of South Florida.

Address of Requesting Entity: 4202 East Fowler Avenue, Tampa, FL 33620

Description of Request: Provides \$3,500,000 for **Countermeasures to Chemical and Biological Controls – Rapid Response**. This project assists the Department of Defense to primarily focus in two important medical areas: (1) numerous sub-project investigations, studies and research which has led to the development of recognized diagnostics and vaccines that are used to treat infectious diseases and more rapid response to chemical and biological agents such as anthrax, and (2) a highly successful program of training and education for first responders both in and outside of Florida. Over 3,500 persons (law enforcement officers, firefighters, medical personnel and the media, to name a few) have been trained to act quickly and efficiently in the event of a terrorist attack or natural disaster condition which necessitates the highest level of productivity to protect affected communities.

Account: United States Department of Defense, Defense-Wide, RDT&E,
Defense-Wide, DARPA, Defense Research Sciences

Legal Name of Requesting Entity: University of South Florida.

Address of Requesting Entity: 4202 East Fowler Avenue, Tampa, FL 33620

Description of Request: Provides \$2,000,000 for **Countermeasures to Combat Protozoan Parasites (Toxoplasmosis and Malaria)**. There has been an increasing rate of difficulty to diagnose and treat infectious diseases occurring from battlefield experiences and exposure to multiple hazards. This project singularly focuses on specific molecular determinants of that threat and new research to lead to effective drug discovery treatments. The project also focuses on delivery and deployment of therapies directly to military personnel. This area of research is under funded in the U.S. military at present and is a growing and compelling need to protect our service members from long-term disability and death.

Account: Defense Wide, RDT&E Procurement.

Legal Name of Requesting Entity: National Forensic Science Technology Center

Address of Requesting Entity: 7881 114th Avenue North, Largo, FL 33773.

Description of Request: Provides \$3,000,000 for **Expansion of the Forensic Intelligence Technologies and Training Support Center of Excellence in Largo, Florida**. This program currently has a strong working relationship with both SOCOM and CENTCOM. In addition the NFSTC works closely with the US Army Criminal Investigation Laboratory (USACIL) which provides all the operational analysis and some reach back support to SOCOM. These factors along with over 65,000 sq ft of specifically designed training space make this an excellent regional training site for all Department of Defense forensic related training.

Account: United States Army National Guard, Operations and Maintenance.

Legal Name of Requesting Entity: Florida Army National Guard.

Address of Requesting Entity: 82 Marine Street, St. Augustine, Florida 32084.

Description of Request: Provides \$3,000,000 for the **Florida Counterdrug Program**. The Florida National Guard has the foremost Counterdrug Program in the nation. This funding would continue an ongoing successful program to detect, deter or prevent successful Drug Trafficking Organizations. This program continues to develop and resource innovative tactics to prevent penetration of our borders and reach our youth. The Florida National Guard is prepared to meet this challenge. In light of the ever emerging threats to our citizenry, this funding will sustain the Florida Counterdrug Program in its current capability in supporting our law enforcement and community-based program partners and defending the citizens of our Nation and State against the source of illegal drugs.

Account: United States Air Force, RDT&E, Advanced Spacecraft Technology.

Legal Name of Requesting Entity: Honeywell Aerospace, Space Systems.

Address of Requesting Entity: 13350 U.S. Hwy 19 North, Clearwater, FL 33764

Description of Request: Provides \$3,000,000 for **Florida National Guard (FLNG) Total Force Integration**. This project will enable Florida National Guard involvement in new range initiatives that will address the responsive space mission in addition to

addressing a number of pressing Air Force and DOD range issues such as increasing launch costs, range infrastructure costs and range radar reliability, all of which have been challenges over the last decade. The Florida National Guard brings a unique perspective and expertise necessary to take full advantage of Total Force Integration; reducing the significant probability of failure of range instrumentation. The Guard provides safe and on-time launch range capabilities with lower costs and shorter cycle times, and provides lighter and leaner range operations.

Account: Defense Wide, Defense Production Act.

Legal Name of Requesting Entity: Enser Corporation.

Address of Requesting Entity: 5430 70th Avenue North, Pinellas Park, FL 33781

Description of Request: Provides \$3,000,000 for the **High Performance Thermal Battery Infrastructure Project**. This project will greatly enhance the Defense Production Act Title III Program. The Battery Production Project is critical to meet production requirements of next generation weapon systems supporting the US Homeland and US War Fighters engaged in the Global War On Terror (GWOT). This DPA Title III Program Battery Production Project provides the Department of Defense the only manufacturing source available to meet production requirements of next generation weapon systems for the Missile Defense Agency (MDA) strategic defense weapons and advanced tactical guided munitions, smart bombs and missiles for the US Armed Forces. This facility is the only United States owned source of high performance cobalt disulfide thermal batteries.

Account: United States Navy, RDT&E.

Legal Name of Requesting Entity: Health Integrated.

Address of Requesting Entity: 10008 North Dale Mabry Highway, Tampa, FL 33618.

Description of Request: Provides \$1,000,000 for the United States Navy to conduct a competition to provide for an **Integrated Psycho-Social Healthcare Demonstration Project**. This project proposes to enhance healthcare for US service members and their families, and to proactively address their unique psychological healthcare needs through the use of industry-leading targeted population management models. It will target a pilot population of DoD beneficiaries within a designated Military Treatment Facility area. The target population will be risk stratified.

Account: Department of Defense, RDT&E.

Legal Name of Requesting Entity: National Interest Security Company (NISC) / Information Manufacturing Company (IMC).

Address of Requesting Entity: 11300 Dr. Martin Luther King, Jr. Street North, Suite 310, St. Petersburg, FL 33716.

Description of Request: Provides \$1,000,000 for the Department of Defense to conduct a competition to provide for the **Intelligence, Surveillance, and Reconnaissance Global Sensors Architecture (ISR-GSA) and Full Motion Video (FMV) Assessment Project**. This project fulfills an urgent need by Special Operating Forces (SOF) to achieve near real-time data fusion for deployed sensor systems. This project will supplement and enhance the SOF Warfighter both in Iraq and Afghanistan.

Account: United States Air Force RDT&E.

Legal Name of Requesting Entity: Pinellas County Sheriff Office.

Address of Requesting Entity: 10750 Ulmerton Road, Largo FL 33778.

Description of Request: Provides \$3,000,000 for a **Military / Law Enforcement Counterterrorism Test Bed**. Civilian law enforcement professionals have unique skills in investigations, crime scene forensics and evidence gathering that are hard to find in the Department of Defense. The test bed program allows the Law Enforcement CT Test Bed to train Department of Defense Personnel in non-traditional warfare skills associated with counter insurgency and counter terrorism missions through interaction and training with the local and federal law enforcement community. These non-traditional law enforcement skills are required in the military's nation building role in urban environments both in Iraq and Afghanistan.

Account: United States Army National Guard, Counter Drug Activities

Legal Name of Requesting Entity: St. Petersburg College.

Address of Requesting Entity: P.O. Box 13489, Saint Petersburg, FL 33733.

Description of Request: Provides \$4,000,000 for **Multi-Jurisdictional Counter-Drug Task Force Training (MCTFT)**. This program brings Law enforcement, military and civilian personnel together to fight the war on drugs through the Multi-Jurisdictional Counter-Drug Task Force Training (MCTFT) Program. This is the most comprehensive counter-drug training program today and is a federally funded partnership with the Department of Defense's National Guard Bureau, the Florida National Guard and St. Petersburg College. MCTFT provides unique counter-drug training for local, state, federal, and military criminal justice professionals as well as awareness training for community leaders. MCTFT offers in-depth courses covering aspects of counter-drug law enforcement using conventional classroom and scenario models as well as distance learning technologies.

Account: United States Army, RDT&E, Advanced Medical Technology.

Legal Name of Requesting Entity: H. Lee Moffitt Cancer Center and Research Institute

Address of Requesting Entity: 12902 Magnolia Drive, Tampa, FL 33612

Description of Request: Provides \$6,000,000 for the **National Functional Genomics Center**. This program will accelerate the discovery of new cancer drugs and save lives and burdensome dislocation of the fighting soldier and support personnel. This adds an enormous financial burden on the Department of Defense Tri-Care program utilized by our DoD veterans, their spouses and dependents. Medical R&D that will improve care, reduce morbidity, be cost specific and bring quality to the system is relevant to the Department of Defense mission and the taxpayer.

Account: United States Navy, RDT&E.

Legal Name of Requesting Entity: St. Petersburg College.

Address of Requesting Entity: 6021 142nd Avenue North, Largo FL 33760.

Description of Request: Provides \$3,000,000 for the **National Terrorism Preparedness Institute Anti-Terrorism/Counter-Terrorism Technology Development and Training project**. This project provides the DOD with technology and training

development in the four pillars of combating terrorism: intelligence support, counter-terrorism, anti-terrorism, and consequence management. The National Terrorism Preparedness Institute (NPTI) will continue to provide training to the DOD, emergency responders, and policy makers. This program will continue research and development of technology and training.

Account: United States Navy, RDT&E.

Legal Name of Requesting Entity: Revenge Advanced Composites.

Address of Requesting Entity: 12705 Daniel Drive, Clearwater FL. 33762

Description of Request: Provides \$3,000,000 for the continued development of the **Next Generation Scalable Lean Manufacturing Initiative - Phase Two**. The second phase of this program could potentially revolutionize the ship building industry taking advantage of modern techniques, current technologies, and advanced materials such as composites. Specifically, this initiative will solve current and immediate operational needs /requirements to develop large-scale, high strength, light-weight structures. There is increasing demand at all levels within the Department of Defense for such modernizations today.

Account: United States Air Force, RDT&E.

Legal Name of Requesting Entity: Cobham Corporate North America

Address of Requesting Entity: 2801 75th Street North, St. Petersburg, FL 33710.

Description of Request: \$4,000,000 for the United States Air Force to conduct a competition to provide for research in the development of a **Pre-Tensioning Aircrew Restraint System (PARS)** project. This program is a restraint system incorporating belt tensioning system to reduce flail in military aircraft platforms. It has been proven that personnel positioning through belt pre-tensioning has improved survivability in mishaps with or without air bags. This project will enhance the Military aviation platform capability by reducing loss of life and severity of injury.

Account: United States Army, RDT&E.

Legal Name of Requesting Entity: DRS Technologies

Address of Requesting Entity: 6200 118th Avenue North, Largo, FL 33773

Description of Request: Provides \$5,000,000 for the **Reduced Manning Situational Awareness** project. This program is a Command and Control (C2) system of integrated smart sensors, 3D visualization, video analytics, and bandwidth management. This system automates the monitoring of a wide array of sensors thereby reducing manning requirements and operator fatigue. These capabilities reduce operator costs and increase detection probability and response with increased protection of critical assets. This project will enhance the Military capability to perform real-time battle surveillance as well as battle damage assessments.

Account: United States Army National Guard, Operations and Maintenance
Legal Name of Requesting Entity: Florida Army National Guard.
Address of Requesting Entity: 82 Marine Street, St. Augustine, Florida 32084
Description of Request: \$5,000,000 for the United States Army to provide for competition a **Regional Emergency Response Network Emergency Cell Phone Capability** program. This program helps military managers and leaders improve efficiency by providing cellular service during the crucial hours after a disaster occurs. This would allow first responders to communicate with already existing hand held equipment thus providing a much quicker and focused coordinated recovery effort.

Account: United States Army National Guard, Operations and Maintenance
Legal Name of Requesting Entity: Florida Army National Guard.
Address of Requesting Entity: 400 South Monroe St, Tallahassee FL 32399.
Description of Request: Provides \$2,000,000 for a **Second Civil Support Team for Weapons of Mass Destruction in Florida.** This appropriation would allow for continued Operations and Maintenance funding for a second Civil Support Team in Florida. This capability provides the citizens of Florida an increased response capability to match the potential terrorist and natural disaster threats in the state.

Account: United States Army National Guard, Personnel
Legal Name of Requesting Entity: Florida Army National Guard.
Address of Requesting Entity: 400 South Monroe St, Tallahassee FL 32399.
Description of Request: Provides \$1,200,000 for a **Second Civil Support Team for Weapons of Mass Destruction in Florida.** This appropriation would allow for continued Personnel funding for a second Civil Support Team in Florida. This capability provides the citizens of Florida an increased response capability to match the potential terrorist and natural disaster threats in the state.

Account: United States Army, RDT&E.
Legal Name of Requesting Entity: General Dynamics.
Address of Requesting Entity: 11399 16th Court North, St. Petersburg FL 33716.
Description of Request: Provides \$6,000,000 for the United States Army to conduct a competition for the **Super High Accuracy Range Kit (SHARK) Precision Guided Artillery Round – 105mm.** This program is a promising technology for providing precision accuracy for 105mm Artillery projectiles for use by the Infantry Brigade Combat Team (IBCT) in order to reduce collateral damage. This technology utilizes Global Positioning System (GPS) guidance and rear steering fins packaged in a module that can be used on the newly type classified M1130 Pre-Formed Fragment (PFF) artillery projectiles. This technology incorporates a gun hardened Control Actuator System (CAS) that has been successfully demonstrated on the 155mm Excalibur program.

Account: Defense-Wide, RDT&E, Counter-Drugs
Legal Name of Requesting Entity: CTC Tampa Bay, Inc. (STAR-TEC)
Address of Requesting Entity: Young-Rainey STAR Center, 7887 Bryan Road,
Suite 220, Largo, Florida 33777.

Description of Request: Provides \$5,000,000 for the **United States Special Operations Command – SOCOM / STAR-TEC Partnership Program**. This project would establish an ultra-responsive, local resource, tied to academia, science and industry to meet unique Special Operations Forces (SOF) requirements. STAR-TEC will research and share concepts and information under development by similar Department of Defense organizations and other rapid deployment forces combating the Global War On Terrorism (GWOT).

Account: Defense-Wide, RDT&E,
Legal Name of Requesting Entity: National Information Assurance Corporation (NIACORP)
Address of Requesting Entity: 7887 Bryan Road, Suite 320, Largo, Florida 33777.
Description of Request: Provides \$1,000,000 for the **United States Special Operations Command "SOCRATES" High Assurance Platform Program**. This project would establish The high Assurance Platform (Trusted Virtual Environment) that will provide the capability for a secure solution allowing the user to access multi-level information (TS/SCI) to unclassified as well as a multi-domain information (NATO, Coalition) on a single desktop/laptop. Significant cost savings will be realized by the DOD throughout the life cycle of this technology while combating the Global War On Terrorism (GWOT).

Account: Defense Wide, RDT&E.
Legal Name of Requesting Entity: Global Technical Services (GTS)
Address of Requesting Entity: 6901 Bryan Dairy Road, Largo FL 33777.
Description of Request: Provides \$1,000,000 for an **X-Band/W-Band Solid State Power Amplifier**. This program will design, develop and test a solid state power amplifier at X-Band/W-Band to replace the current Traveling Wave Tubes (TWT), in order to provide a higher mean time before replacement thereby reducing overall costs.